

ABSTRACT

A filter appliance for the purification and/or partial dealkalization of raw water is provided. The appliance has a raw water inlet and a pure water outlet with the raw water divided into two portions with one portion going through a filter line A with the first filtration segment and a second portion of raw water going through a distribution valve and blending line B which has a second filtration segment. These filtration segments are arranged in the inner container of the appliance. A formula is provided to adjust the flow characteristics of blending line B according to the flow characteristics of filter lines A. This adjustment is based upon a pressure loss functions of filter lines A and B.